

**Form MMS 123A/123S - Electronic Version**

**Application for Revised New Well**

**Lease** G25944    **Area/Block** EC 111    **Well Name** 002    **ST** 00    **BP** 00    **Well Type** Development  
**Application Status** Approved    **Operator** 02266    Energy Partners, Ltd.

**Correction Narrative**    Performed paleontological analysis of the shale cuttings at the bottom of the well at 13,477 ft MD/13,410 ft TVD that indicated that we are not through our target sand yet.

In order for us to reach our permitted TD of 13,766 ft MD/13,700 ft TVD to see complete section we need to set 5 1/2" liner at the current depth of 13,477 ft MD/13,410 ft TVD due to loss circulation zone at 12,260 ft TVD.

Our plan is to set and cement 5 1/2" liner and drill out with 4 1/8" bit to permitted TD.

**General Well Information**

<b>API Number</b> 177034102000	<b>Approval Date</b> 01/05/2012	<b>Approved By</b> Dave Moore
<b>Date of Request</b> 01/04/2012	<b>Req Spud Date</b> 10/21/2011	<b>Kickoff Point</b> N/A
<b>Water Depth (ft.)</b> 66	<b>Drive Size (in)</b> 30	<b>Mineral Code</b> Hydrocarbon
<b>RKB Elevation</b> 100	<b>Drive Depth (ft.)</b> 401	<b>Subsea BOP</b> No
<b>Verbal Approval Date</b>		<b>Verbal Approval By</b>

**Proposed Well Location**

**Surface Location**

<b>LEASE (OCS)</b> G25944	<b>Area/Block</b> EC 111	<b>Authority</b> Federal Lease
<b>Entered NAD 27 Data</b>	<b>Calculated NAD 27 Departures</b>	<b>Calculated NAD 27 X-Y Coordinates</b>
<b>Lat:</b> 29.15167472	N 4000	<b>X</b> 1569948.328594
<b>Lon:</b> -92.68051583	W 1400	<b>Y</b> 178903.393358
<b>Surface Plan</b> S 7457	<b>Plan Lease (OCS)</b> G25944	<b>Area/Block</b> EC 111

**Bottom Location**

<b>LEASE (OCS)</b> G25944	<b>Area/Block</b> EC 111
<b>Entered NAD 27 Data</b>	<b>Calculated NAD 27 Departures</b>
<b>Lat:</b> 29.15171583	N 3993
<b>Lon:</b> -92.67841139	W 2072
<b>Bottom Plan</b> S 7457	<b>Plan Lease (OCS)</b> G25944
<b>Area/Block</b> EC 111	

**Approval Comments**    All operations must be conducted in accordance with the OCS Lands Act (OCSLA), the lease terms and stipulations, the regulations of 30 CFR Part 250, Notices to Lessees and Operators

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(NTLs), the approved Application for Permit to Drill (APD), and any written instructions or orders of the District Manager.

The following requirement is emphasized.  
The most current set of approved BOP control system drawings must be kept on the rig, at all times, and available for inspection.

Approved Drawing Inventory:  
Drawing: BOP control system hydraulic pneumatic system  
Drawing #: 080280-PSC-2114-01  
Drawing revision: C5  
Revision date: 5/25/11 Page: 1 of 1

If there are any revisions or changes made to the approved set of BOP control system drawings, an RPD must be submitted and approval received for those revisions.

Failure to comply with the above requirements will result in the issuance of an incident of noncompliance.

Mitigations:

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LeaseG25944Area/BlockEC 111Well Name002ST 00BP 00Well TypeDevelopment

Application StatusApprovedOperator02266Energy Partners, Ltd.

Geologic Information

H2S DesignationAbsent	H2S TVD
Anticipated Geologic Markers	
Name	Top MD
Tex L	11815
Cib Carst	13100

Rig Information

RIG SPECIFICATIONS		ANCHORS	No
Rig Name	HERCULES 265		
Type	JACKUP	ID Number	90916
Function	DRILLING	Constucted Year	1982
Shipyard	BETHLEHEM	Refurbished Year	
RATED DEPTHS			
Water Depth	250	Drill Depth	20000
CERTIFICATES			
ABS/DNV	09/30/2012	Coast Guard	09/04/2012
SAFE WELDING AREA			
Approval Date	05/31/1995	District	2
Remarks	BOP Control System Approved 11/24/10		

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Number	Question	Response	Response Text
1	Will you maintain quantities of mud and mud material (including weight materials and additives) sufficient to raise the entire system mud weight 1/2	YES	
2	If hydrocarbon-based drilling fluids were used, is the drilling rig outfitted for zero discharge and will zero discharge procedures be followed?	YES	
3	If drilling the shallow casings strings riserless, will you maintain kill weight mud on the rig and monitor the wellbore with an ROV to ensure that it	N/A	
4	If requesting a waiver of the conductor casing, have you submitted a log to government agency G&G that is with in 500 feet of the proposed botto	N/A	
5	Will the proposed operation be covered by an EPA Discharge Permit? (please provide permit number in comments for this question)	YES	GMG290208
6	Will all wells in the well bay and related production equipment be shut-in when moving on to or off of an offshore platform, or from well to we	N/A	
7	Is the calculated daily volume possible from an uncontrolled blowout of this well greater than the daily volume included in the worst case discharge	NO	

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**Permit Attachments**

File Type	File Description	Status
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**Required Attachments**

pdf	Drilling prognosis and summary of drilling, cementing, and mud processes	Attached
pdf	Directional Program	Attached
pdf	Proposed Well Location Plat	Attached
pdf	Engineering Calculation	Attached
pdf	BOP stack certification including statement regarding any modifications made since last certification	Attached
pdf	Proposed Wellbore Schematic	Attached
pdf	BOP & Diverter Schematics with Operating Procedures	Attached
pdf	Blind-shear ram capability and certification	Attached
pdf	Pore pressure (PP), Mud Weight (MW), and Fracture Gradient (FG) Plot	Attached

**Optional/Supplemental Attachments**

pdf	Hydraulic BOP Schematic	Attached
pdf	Choke & Kill Schematic	Attached
pdf	Annular pressure statement	Attached
pdf	PE Cert	Attached
pdf	Hurricane Checksheet Approval	Attached
pdf	Statement of Qualifications	Attached
pdf	API RP 65-2 Questions	Attached
pdf	Verbal Email	Attached
pdf	PE cert - Casing Design	Attached
pdf	Div Optg / Well Control Procedures	Attached
pdf	Hurricane Checksheet	Attached
pdf	+10 valve	Attached

**Contacts Information**

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Lease

G25944

Area/Block

EC 111

Well Name

002

ST

00

BP

00

Well Type

Development

Application Status

Approved

Operator

02266

Energy Partners, Ltd.

Name	Sheri Merrell		
Company	02266	Energy Partners, Ltd.	
Phone Number	504-799-4863		
E-mail Address	smerrell@eplweb.com		
Contact Description			

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**Well Design Information**

Interval Number 1		Type	Casing	Name				Conductor	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)	
1	18.625	87.5	X56	2300	640	800	800	8.5	
<b>GENERAL INFORMATION</b>			<b>PREVENTER INFORMATION</b>			<b>TEST INFORMATION</b>			
Hole Size (in) 22.000			Type Diverter			Annular Test (psi) 0			
Mud Weight (ppg) 9.2			Size (in) 21.25			BOP/Diverter Test (psi) 250			
Mud Type Code Water Base			Wellhead Rating (psi) 3000			Test Fluid Weight (ppg) 9.2			
Fracture Gradient (ppg) 11.5			Annular Rating (psi) 2000			Casing/Liner Test (psi) 250			
Liner Top Depth (ft)			BOP/Diverter Rating (psi) N/A			Formation Test (ppg) 0.0			
Cement Volume (cu ft) 1777									

  

Interval Number 2		Type	Casing	Name				Surface	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)	
1	13.375	68.0	J55	3450	1950	4500	4500	9.0	
<b>GENERAL INFORMATION</b>			<b>PREVENTER INFORMATION</b>			<b>TEST INFORMATION</b>			
Hole Size (in) 17.500			Type Blowout			Annular Test (psi) 3500			
Mud Weight (ppg) 9.5			Size (in) 13.625			BOP/Diverter Test (psi) 5000			
Mud Type Code Water Base			Wellhead Rating (psi) 5000			Test Fluid Weight (ppg) 9.5			
Fracture Gradient (ppg) 14.3			Annular Rating (psi) 5000			Casing/Liner Test (psi) 2420			
Liner Top Depth (ft)			BOP/Diverter Rating (psi) 10000			Formation Test (ppg) 14.3			
Cement Volume (cu ft) 6148									

  

Interval Number 3		Type	Casing	Name				Intermediate	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)	
1	9.625	53.5	HCQ-125	12390	8850	10066	10000	12.5	
<b>GENERAL INFORMATION</b>			<b>PREVENTER INFORMATION</b>			<b>TEST INFORMATION</b>			
Hole Size (in) 12.250			Type Blowout			Annular Test (psi) 3500			
Mud Weight (ppg) 13.0			Size (in) 13.625			BOP/Diverter Test (psi) 7500			
Mud Type Code Oil Base			Wellhead Rating (psi) 10000			Test Fluid Weight (ppg) 13.0			
Fracture Gradient (ppg) 17.5			Annular Rating (psi) 5000			Casing/Liner Test (psi) 6590			
Liner Top Depth (ft)			BOP/Diverter Rating (psi) 10000			Formation Test (ppg) 17.5			
Cement Volume (cu ft) 662									

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Interval Number 4		Type	Liner	Name		Intermediate	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD	Pore Pressure (ppg) TVD
1	7.000	32.0	HCP-110	12450	11890	11866	11800 15.2

GENERAL INFORMATION			PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	8.500		Type	Blowout	Annular Test (psi)	3500
Mud Weight (ppg)	15.7		Size (in)	13.625	BOP/Diverter Test (psi)	7500
Mud Type Code	Oil Base		Wellhead Rating (psi)	10000	Test Fluid Weight (ppg)	15.7
Fracture Gradient (ppg)	18.4		Annular Rating (psi)	5000	Casing/Liner Test (psi)	2190
Liner Top Depth (ft)	9800.0		BOP/Diverter Rating (psi)	10000	Formation Test (ppg)	18.4
Cement Volume (cu ft)	482					

Interval Number 5		Type	Liner	Name		Production	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD	Pore Pressure (ppg) TVD
1	5.000	18.0	G-105	13300	13000	13477	13410 16.8

GENERAL INFORMATION			PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	6.000		Type	Blowout	Annular Test (psi)	3500
Mud Weight (ppg)	18.0		Size (in)	13.625	BOP/Diverter Test (psi)	7500
Mud Type Code	Oil Base		Wellhead Rating (psi)	10000	Test Fluid Weight (ppg)	17.2
Fracture Gradient (ppg)	19.0		Annular Rating (psi)	5000	Casing/Liner Test (psi)	1240
Liner Top Depth (ft)	11567.0		BOP/Diverter Rating (psi)	10000	Formation Test (ppg)	19.0
Cement Volume (cu ft)	243					

Interval Number 6		Type	Liner	Name		Production	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD	Pore Pressure (ppg) TVD
1	3.500	13.0	P-110	20630	21050	14167	14100 16.8

GENERAL INFORMATION			PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	4.125		Type	Blowout	Annular Test (psi)	3500
Mud Weight (ppg)	17.5		Size (in)	13.625	BOP/Diverter Test (psi)	7500
Mud Type Code	Oil Base		Wellhead Rating (psi)	10000	Test Fluid Weight (ppg)	17.2
Fracture Gradient (ppg)	19.0		Annular Rating (psi)	5000	Casing/Liner Test (psi)	1240
Liner Top Depth (ft)	13177.0		BOP/Diverter Rating (psi)	10000	Formation Test (ppg)	
Cement Volume (cu ft)	32					



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